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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>   |  | ATTORNEY'S DOCKET NUMBER<br>41577/312173                            |
|   |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/525057</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/GB2003/003747  | INTERNATIONAL FILING DATE<br>29 August 2003 (29.09.03) | PRIORITY DATE CLAIMED<br>31 August 2002 (31.08.03)                  |
| TITLE OF INVENTION<br>VACCINE AGAINST YERSINIA COMPRISING ONE OR TWO ANTIBODIES, ONE SPECIFIC FOR YERSINIA PESTIS F1-ANTIGEN AND THE OTHER ONE FOR YERSINIA PESTIS V-ANTIGEN  |  |   |
| APPLICANT(S) FOR DO/EO/US<br>HILL, James; WILLIAMSON, Ethel Diane; TITBALL, Richard William   |  |   |
| Applicant herewith submits to the United States Designated/Elected (DO/EO/US) the following items and other information:  |  |   |
| <ol style="list-style-type: none"><li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li><li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li><li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li><li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li><li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<ol style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li><li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li><li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li></ol></li><li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<ol style="list-style-type: none"><li>a. <input type="checkbox"/> is attached hereto.</li><li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li></ol></li><li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<ol style="list-style-type: none"><li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li><li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li><li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendment has NOT expired.</li><li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li></ol></li><li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li><li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 37(c)(4)). (unexecuted)</li><li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li></ol> |  |   |
| Items 11 to 20 below concern document(s) or information included:   |  |   |
| <ol style="list-style-type: none"><li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li><li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li><li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li><li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li><li>15. <input type="checkbox"/> A substitute specification.</li><li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li><li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</li><li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li><li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li><li>20. <input type="checkbox"/> Other items or information:</li></ol>  |  |   |
| <ol style="list-style-type: none"><li>a. Certification Under 37 CFR 1.101 hereby certify that this document is being mailed to Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450 via "Express Mail Post Office to Addressee" on this <u>18<sup>th</sup></u> day of February 2005, Express Mail Label No. EV041633360US <u>Angela M. Rossi</u> Angela M. Rossi</li><li>b. International Preliminary Examination Report with annexed pages 18-19 of claims</li></ol>   |  |   |

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)  |              | INTERNATIONAL APPLICATION NO.   |            | ATTORNEY'S DOCKET NUMBER |        |
| 10/525057  |              | PCT/GB2003/003747   |            | 41577/312173             |        |
| 21. The following fees are submitted:  |              |   |            |                          |        |
| <input checked="" type="checkbox"/> a) Basic national fee .....  |              | \$300.00  |            | \$300                    |        |
| <input checked="" type="checkbox"/> b) Examination fee .....   |              | \$200.00  |            | \$200                    |        |
| <input checked="" type="checkbox"/> c) Search fee .....  |              | \$500.00  |            | \$500                    |        |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              | \$1000.00   |            | \$1000                   |        |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |            |                          |        |
| Total Sheets   | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE       |                          |        |
| - 100 =  | /50 =        |   | x \$250.00 | \$0.00                   |        |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |   |            | \$130                    |        |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE       | \$                       |        |
| Total claims   | 16- 20 =     | 00  | x \$50.00  | \$0.00                   |        |
| Independent claims   | 02- 3 =      | 00  | x \$200.00 | \$0.00                   |        |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | +          | \$360.00                 | \$0.00 |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | \$1130.                  |        |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |   |            | \$                       |        |
| <b>SUBTOTAL =</b>  |              |   |            | \$1130                   |        |
| Processing fees of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |   |            | +                        | \$0.00 |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |            | \$1130                   |        |
| Fee for recording the enclosed assignment (37 CFR 11.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |            | +                        | \$     |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |            | \$1130                   |        |
|  |              |   |            | Amount to be refunded    | \$     |
|  |              |   |            | Amount to be charged     | \$     |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$1130 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments to Deposit to Account No. 11-0855. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revise (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Customer Number 23370<br/>John S. Pratt, Esq.<br/>KILPATRICK STOCKTON LLP<br/>Suite 2800<br/>1100 Peachtree Street<br/>Atlanta, Georgia 30309-4530<br/>404.815.6500</p> <div style="text-align: right; margin-top: 20px;"> <br/>             _____<br/>             SIGNATURE<br/>             Dean W. Russell<br/>             _____<br/>             NAME<br/>             33,452<br/>             _____<br/>             REGISTRATION NUMBER         </div> |              |   |            |                          |        |